**CLAIMS:** 

1. An electroluminescent display comprising a common substrate and an array of electroluminescent devices disposed on the common substrate, wherein each of said electroluminescent devices comprise an electroluminescent layer which is sandwiched between a first and a second electrode, a color converting material which is capable of changing light emitted by the electroluminescent layer into light having a longer wavelength and a stack of 2n + 1 transparent dielectric layers wherein n = 0, 1, 2, 3, ..., 3, ..., 3

said transparent dielectric layers having a high refractive index of n > 1.7 or a low refractive index of  $n \le 1.7$ ,

said transparent dielectric layers having a high refractive index n being arranged in alternating manner with said transparent dielectric layers having a low refractive index n,

said stack of 2n + 1 transparent dielectric layers being arranged adjacent to one of the electrodes and a dielectric transparent layer having a high refractive index n adjoining said electrode.

- 2. An electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a refractive index n > 1.7 is selected from the group consisting of TiO<sub>2</sub>, ZnS and SnO<sub>2</sub>.
- 3. An electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a refractive index  $n \le 1.7$  is selected from the group consisting of SiO<sub>2</sub>, MgF<sub>2</sub> and alumino silicates.

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- 4. An electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a high refractive index n is ZnS and said transparent dielectric layers having a low refractive index n is MgF<sub>2</sub>.
- 5 5. An electroluminescent display as claimed in claim 1, wherein said electroluminescent device is an active matrix device having a pixelated first electrode.
- 6. An electroluminescent display as claimed in claim 1, wherein a capping layer is placed adjacent to the second electrode and wherein the color converter
  10 material is embedded in or placed on top of the capping layer.
- An electroluminescent display as claimed in one of the claims 1 to 6, wherein the color converting material is selected from the group consisting of (Ba,Sr)<sub>2</sub>SiO<sub>4</sub>:Eu, SrGa<sub>2</sub>S<sub>4</sub>:Eu, CaS:Ce, Ba<sub>2</sub>ZnS<sub>3</sub>:Ce,K, Lumogen yellow ED206,
   (Sr,Ca)<sub>2</sub>SiO<sub>4</sub>:Eu, (Y,Gd)<sub>3</sub>(Al,Ga)<sub>5</sub>O<sub>12</sub>:Ce, Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Ce, Lumogen F orange 240, SrGa<sub>2</sub>S<sub>4</sub>:Pb, Sr<sub>2</sub>Si<sub>5</sub>N<sub>8</sub>:Eu, SrS:Eu, Lumogen F red 300, Ba<sub>2</sub>Si<sub>5</sub>N<sub>8</sub>:Eu, Ca<sub>2</sub>Si<sub>5</sub>N<sub>8</sub>:Eu CaSiN<sub>2</sub>:Eu and CaS:Eu.
- 8. An electroluminescent device comprising an electroluminescent layer
  20 which is sandwiched between a first and a second electrode, a color converting material
  which is capable of changing light emitted by the electroluminescent layer into light
  having a longer wavelength and a stack of 2n + 1 transparent dielectric layers wherein
  n = 0, 1, 2, 3, ...,

said transparent dielectric layers having a high refractive index of n > 1.7or a low refractive index of  $n \le 1.7$ ,

said transparent dielectric layers having a high refractive index n being arranged in alternating manner with said transparent dielectric layers having a low refractive index n,

said stack of 2n + 1 transparent dielectric layers being arranged adjacent to one of the electrodes and a dielectric transparent layer having a high refractive index n adjoining said electrode.